TEAM

CPSG2000

TEAMCPSG

New Horizons

13-14 November 1997

Col. Michael J. Reed
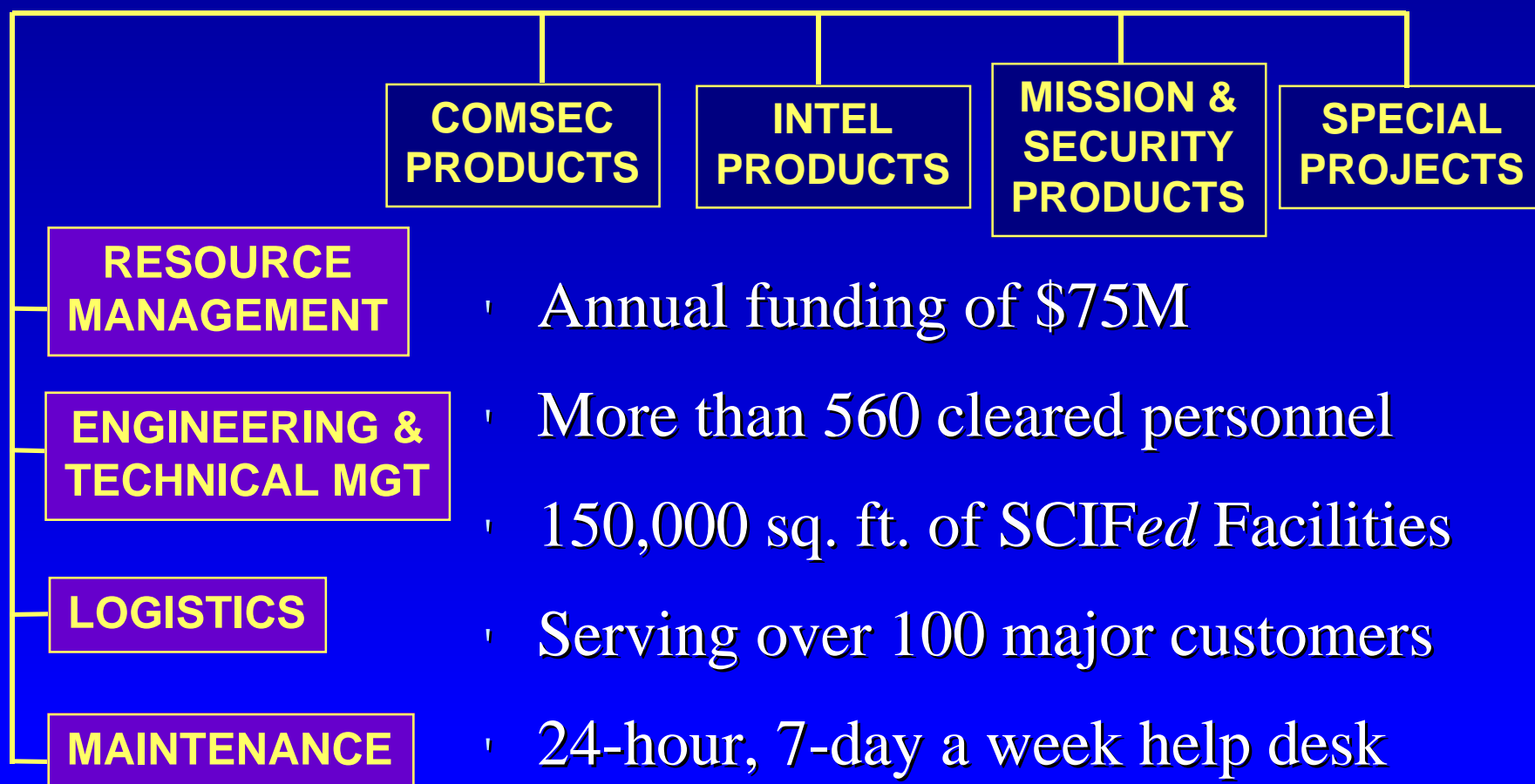
CPSG/CC

(210) 977-2253

CPSG...A Product Focused Organization

CPSG/CC

- **COMSEC PRODUCTS**
- **INTEL PRODUCTS**
- **MISSION & SECURITY PRODUCTS**
- **SPECIAL PROJECTS**

- **RESOURCE MANAGEMENT**
- **ENGINEERING & TECHNICAL MGT**
- **LOGISTICS**
- **MAINTENANCE**

- Annual funding of $75M
- More than 560 cleared personnel
- 150,000 sq. ft. of SCIF*ed* Facilities
- Serving over 100 major customers
- 24-hour, 7-day a week help desk

The CPSG Mission

Life-Cycle managers to the warfighter — providing cryptologic, intelligence, information security, and related system products and services — *assuring information superiority* through teamwork, innovation and technological excellence.

Envisioning the Future Air Force

Visions

The Air Force must become a force that is tightly integrated within itself, with the other Services, and with allies. (NWV)

Dynamic Trends/Changes
' Advanced Technology
' Emerging Importance of Info Superiority
' Declining Resources
' Joint Ops

' *Critical Considerations*
' Reduced Cycle Times
' Spiral Development
' DII Compliance
' COTS

Environmental Trends

Traditional

- Hardware Cryptography
- Long Life
- "Frequent" Maintenance
- Large Stocks
- NSA Acquisitions
- Paper Key
- Central Funding

Current and Future

- Software Cryptography
- Embedded Crypto
- Throw Away
- Repair and Return
- Lean Logistics
- Electronic Key Distribution
- Local Acquisition
- Quick Technology Turn
- Hybrid Funding

Trends in CPSG Functions

	Function	Resources	Trend
	Organic Maint	H	fl
	Warehousing	H	fl
	Distribution	M	fl
	Sustainment Mgmt	M	
	Software	L	➡
	Acquisition	L	
	Special Proj	M	
	Contracting	L	
	PAD/SPO Products	L	
	Infrastructure	M	
	Engineering	M	
	Financial Mgmt	L	

Overview
New Project

Information Warfare (IW), Information Protect (IP) Support

- Establishing sustainment program office capability
- Program value (no POM established)
- Customers: Multi-service
- POC
  - F Name - Carlos Vera
  - F Office symbol - ESC/CPSG/ZSW
  - F (210) 977-2771

INDUSTRY OPPORTUNITY

Project: IW/IP Support

' Sustainment of IW/IP products

Secure Network Server, Automated Security Incident Measurement system, base information protection architecture products, FORTEZZA

' Anticipated procurement approach

Establishing program management plans and Integrated Weapon System Management logistical plans

Small business opportunities

F Software maintenance

F System hardware repair

Future Needs/Trends

- Trend towards commercial versus government products

- Infusion of FORTEZZA technology into commercial products

- Computer networks current focus, what about?
  - Telephone switching networks (standard, cellular)

Overview
New Project

AF Voice Call Sign Program (electronic distribution)

- Initial operating capability - Dec 97
- Program cost (0$)
    - F 5 Organic O&M personnel
- Air Force customer base
- POC
    - F Dr. Bruce Dubbs
    - F ESC/CPSG/ZSW
    - F (210) 977-2771   DSN 969-2771

INDUSTRY OPPORTUNITY

Project: AF Voice Call Sign Program
- Paper to electronic distribution (web technology)
- Anticipated procurement approach (spiral delivery)
  - Develop prototype (MITRE)   Complete
  - Develop 1st spiral web (AF Organic)   Dec 97
  - Develop 2nd spiral web release   Oct 98
- Small business opportunities
  - Software maintenance

Future Needs/Trends

- Joint service call sign program
- Integrate with automated mission planning
- Interoperate with FORTEZZA

Existing Contract

- FASTLANE ATM Encryptor (KG-75)
    - Awarded by NSA- Sep 94
        - F GTE: MDA904-94-C-B087
    - ID/IQ contract
    - Product Specifications
        - F High speed multimedia--DS1, DS3, OC-3, and OC-12
        - F 4096 active ATM connections
            - Permanent and switched virtual circuits
            - Point-to-point and point-to-multipoint
            - Cryptographically isolated up to TS/SCI
    - Current Value $3M

Future Needs/Trends

- Commercial COMSEC Endorsement Program (CCEP)
  - Relationship between NSA and industry
    - NSA provides COMSEC expertise
    - Industry provides design, development, and production
  - Contractor funded development
  - Decreased length of acquisition schedule
- Miniaturization of existing COMSEC
  - Add user interface features
  - Increase speed
  - Examples: KIV-7, KIV-19

Overview
New Projects

Data Management Device

(Next Generation Data Transfer Device)

- Anticipated schedule:
  - F RFP 2Q98
  - F Contract award 3Q98
  - F IOC: 4Q99
- Program Value: $6M
- Customer: DOD COMSEC Users
- POC
  - F Mr. Jack Bush
  - F CPSG/ENE
  - F (210) 977-3738

INDUSTRY OPPORTUNITY

Project: Operational Data Management Device

- Objective: COTS Solution for Rapid/Numerous Key Transfer to Enhance Security With Integrated PCMCIA Cryptography

- Anticipated Procurement Approach

  Preliminary Strategy/Approach: Analysis of Alternatives /Leverage COTS Hardware -- Develop Software

  Small Business Opportunities: Subcontracting

  Subcontracting Opportunities

  - PCMCIA Cryptography, Device Ruggedization

Overview
New Projects

FORTEZZA technology insertion

Program in conceptual stage

Program value :100K-300K initially

Researching candidate programs

POC

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